PATENT COOPERATION TREATY

2760/135E

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER		see Form PCT/ISA/220
2960/138WO	ACTION		as, where applicable, item 5 below.
International application No.	International filing date (day/month	/year)	(Earliest) Priority Date (day/month/year)
PCT/US2007/064349	20/03/2007		21/03/2006
Applicant			
CONFORMIS, INC.			
This international search report has been according to Article 18. A copy is being tra	prepared by this International Searc ansmitted to the International Bureau	hing Autho	ority and is transmitted to the applicant
This international search report consists of			
X It is also accompanied by	a copy of each prior art document of	ted in this	report.
Basis of the report a. With regard to the language, the	international search was carried out	on the ba	sis of:
1	application in the language in which i		
a translation of th	e international application into mished for the purposes of internation		, which is the language
1 <u> </u>			in the international application, see Box No. I.
2. X Certain claims were fou	nd unsearchable (See Box No. II)		
3. X Unity of Invention is lac	king (see Box No III)		
	,		
4. With regard to the title, X the text is approved as so	hmitted by the applicant		
1 =	shed by this Authority to read as folio	ws:	
			•
5. With regard to the abstract,			
the text is approved as s	ubmitted by the applicant		
X the text has been establi	shed, according to Rule 38.2(b), by t	his Author	ity as it appears in Box No. IV. The applicant
may, within one month in	om the date of mailing of this interna	uonai seai	rch report, submit comments to this Authority
6. With regard to the drawings,			
a. the figure of the drawings to be	•	No. <u>2</u> F	·
X as suggested by			
	is Authority, because the applicant f		
1	is Authority, because this figure bett be published with the abstract	er cnaract	eizes we invention
b none of the figures is to t	oe poolistied with the abstract		•

International application No.

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Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

A method of preparing an interpositional implant suitable for a knee. The method includes determining a three-dimensional shape of a tibial surface of the knee. An implant (200) is produced having a superior surface (202) and an inferior surface (204), with the superior surface adapted to be positioned against a femoral condyle of the knee, and the inferior surface adapted to be positioned upon the tibial surface of the knee. The inferior surface conforms to the three-dimensional shape of the tibial surface. The implant may be inserted into the knee without making surgical cuts on the tibial surface. The tibial surface may include cartilage, or cartilage and bone.

INTERNATIONAL SEARCH REPORT

International application No PCT/US2007/064349

A. CLASS INV.	FICATION OF SUBJECT MATTER A61F2/30 A61F2/38	A61F2/46	
According t	o International Patent Classification (IPC) or to both	national classification and IPC	
B. FIELDS	SEARCHED		
Minimum d A61F	ocumentation searched (classification system follow	ved by. classification symbols)	
Documenta	tion searched other than minimum documentation t	o the extent that such documents are included in the	fields searched
Electronic	data base consulted during the International search	(name of data base and, where practical, search ter	ms used)
EPO-In	ternal		
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where app	ropriate, of the relevant passages	Relevant to claim No.
X	EP 1 327 423 A1 (CT PULS [CH] ZIMMER GMBH [CH]) 16 July 2003 (2003-07-16 paragraph [0020] - paragraph [0032] - paragraph figures 1,2,4,6-8	5) graph [0021]	1,4-9, 12, 94-104
X	US 2004/133276 A1 (LANG AL) 8 July 2004 (2004-0) paragraph [0136] figures 8K,8L		1-4,7-9, 12, 94-104
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X Fur	I ther documents are listed in the continuation of Box	C. X See patent family annex.	· · · · · · · · · · · · · · · · · · ·
* Special	calegories of cited documents :	"T" later document published after	the international fillion date
	ent defining the general state of the art which is no dered to be of particular relevance	or odority date and not in cor	ifict with the application but
Ming	document but published on or after the international date ent which may throw doubts on priority claim(s) or	cannot be considered novel	nce; the claimed invention or cannot be considered to en the document is taken atone
which citatio	i Is cited to establish the publication date of another on or other special reason (as specified) nent referring to an oral disclosure, use, exhibition o	"Y" document of particular relevar cannot be considered to invo	•
other	means ent published prior to the international filing date be han the priority date claimed	ments, such combination bei	ng obvious to a person skilled
	actual completion of the international search	Date of mailing of the internal	<u> </u>
4	October 2007	12/10/2007	
Name and	mailing address of the ISA/ European Palent Office, P.B. 5818 Palentlaar	Authorized officer	
	NL – 2280 HV Rijswijk Tel (+31–70) 340–2040, Tx. 31 651 epo ni, Fax: (+31–70) 340–3016	Storer, John	

INTERNATIONAL SEARCH REPORT

International application No PCT/US2007/064349

-29, -41, -48, 52, 55	
-41, -48, 52, 55	
,42, ,50,53	
,42, ,50,53	
30,42, 49,50,53	

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: 105–108 because they relate to subject matter not required to be searched by this Authority, namely:
Rule 39.1(iv) PCT - Method for treatment of the human or animal body by surgery
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically:
_
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. X As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
1-12,24-55,94-104
4. No required additional search fees were timely paid by the applicant. Consequently, this international Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search lees were accompanied by the applicant's protest. X No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-12,94-104

An implant interposed in a joint between a first articular surface and a second articular surface, the implant comprising: a first surface for contacting the first articular surface such that motion of the implant is constrained; and a second surface for contacting the second articular surface, the second surface allowing movement of the second articular surface.

2. claims: 13-23,56-65

An implant for insertion in a joint having a first articular surface, the implant comprising: a first implant surface conforming to the first articular surface, the first articular surface including cartilage.

3. claims: 24-55

An implant for insertion in a joint between a first articular surface and a second articular surface, the implant comprising: a first implant surface for engaging the first articular surface, the first implant surface having one or more convexities and one or more concavities; and a second implant surface for engaging the second articular surface, the second implant surface having at least one of a plurality of concavities and a plurality of convexities.

4. claims: 66-70

An interpositional implant suitable for a knee joint, the implant comprising: a superior surface arranged to oppose at least a portion of a femur; and an inferior surface arranged to oppose at least a portion of a tibial surface, wherein the implant has a substantially U-shaped cross-section in at least one of a medial-lateral direction and an anterior-posterior direction.

5. claims: 71-76

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

An interpositional implant suitable for a knee joint, the implant comprising:

a superior surface arranged to contact at least a portion of a femur;

an inferior surface arranged to contact at least a portion of a tibial surface, the superior surface and the inferior surface facing opposing directions and defining a thickness; and

a peripheral edge extending between the superior and inferior surfaces, the greatest thickness at the peripheral edge being at least 2 mm more than the smallest thickness of the implant.

6. claims: 77-93

An implant for insertion in a joint between a first articular surface and a second articular surface, the implant comprising:

a first implant surface conforming to the first articular surface, the first articular surface including cartilage, the first implant surface having a periphery, the periphery including a stabilization mechanism for limiting motion of the implant in the joint; and

a second implant surface for contacting the second articular surface.

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Information on patent family members

International application No PCT/US2007/064349

Patent document dted in search report		Publication date		Patent family member(s)		Publication date
EP 1327423	A1	16-07-2003	AT DE	321510 60304233	•	15-04-2006 18-01-2007
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WO 03061522	A2	31-07-2003	CA JP US	2473858 2005515810 2004247641	T	31-07-2003 02-06-2005 09-12-2004